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HTIRC-03-007

Application no. 10/812,695

August 23, 2006

TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attn: Art Unit 2627 - Examiner: Christopher R. Magee

FROM: George O. Saile, Reg. No. 19,572  
28 Davis Avenue  
Poughkeepsie, N.Y. 12603

SUBJECT: Serial #: 10/812,695  
File Date: 03/30/04  
Inventor: Min Li et al.  
Examiner: Christopher R. Magee  
Art Unit: 2627  
Title: DESIGN AND FABRICATION METHOD FOR AN IN-STACK  
STABILIZED SYNTHETIC STITCHED CP GMR HEAD

### RESPONSE TO RESTRICTION REQUIREMENT

Dear Sir:

This is in response to the Restriction Requirement in the Office Action dated 08/16/06. In that office action, restriction was required to one of the following Inventions under 35 U.S.C. 121:

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents P.O. Box 1450, Alexandria, VA 22313-1450 on August 24, 2006.

Signature   
Stephen B. Ackerman, Reg. No. 37,761

Date: 8/24/06

The inventions stated are:

I – Claims 1-10 drawn to a CPP spin valve sensor, classified in class 360, subclass 324.12, and

II - Claims 11-22, drawn to a method of forming a CPP spin valve sensor, classified in class 29, subclass 603.08.

Applicant provisionally elects to be examined the Invention described by the Examiner as Group I – Claims 1-10 drawn to a CPP spin valve sensor, classified in Class 360, subclass 324.12. This election is made with traverse of the requirement under 37 C.F.R. 1.143 for the reasons given in the following paragraphs.

The Examiner is respectfully requested to reconsider the Requirement for Restriction in the Office Action.

The Examiner gives the reasons for the distinctness between Inventions I and II as (1) that the process as claimed can be used to make other and materially different product, or (2) the product as claimed can be made by another and materially different process (M.P.E.P. 806.05(f)). However, upon reading the process Claims against the product Claims one can readily see that the process Claims are directed to a method of forming "a stitched in-stack stabilized CPP synthetic spin-valve sensor", and that the product claims are directed to "a stitched in-stack stabilized CPP synthetic spin-valve sensor", and that it is necessary to obtain claims in both the process and product claim

language. The process claims necessarily use the product and vice versa. The field of search must necessarily cover both the process class/subclass 29/603.08 and product class/subclass 360/324.12, in addition to other related classes and subclasses, to provide a complete and adequate search. The fields of search for Groups I and II are clearly and necessarily co-extensive. The Examiner's suggestion that "In the instant case, the product as claimed in Group I can be made by another and materially different process other than magnetizing the synthetic antiferromagnetic pinned layer in a first annealing process; magnetizing the free layer in a second annealing process; patterning said stack photolithographically, by the removal of laterally disposed portions thereof and magnetizing said synthetic tri-layer in a third annealing process, as required by Group II" is speculative and has nothing to do with the Claims as presented in this patent application.

Further, it is respectfully suggested that these reasons are insufficient to place the additional cost of second and third patent applications upon the applicants. Therefore, it is respectfully requested that the Examiner withdraw this restriction requirement for these reasons.

Withdrawal of the Restriction Requirement, and allowance of the present Patent Application, is respectfully requested.

It is requested that should there be any problems with this response, please call the undersigned Attorney at (845) 452-5863.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'S. Ackerman', with a stylized flourish at the end.

Stephen B. Ackerman, Reg. No, 37,761